

ABSTRACT OF THE DISCLOSURE

A sensor device for determining the intensity of incident light is provided. The sensor device includes a characteristic element, through which light striking the sensor device can pass depending on the direction from which light strikes the sensor device; a light-sensitive sensor element, which can detect the light having passed through the orientation characteristic element; and an absorption element, which can absorb the light striking the sensor device and/or the light having passed through the orientation characteristic element in such a way that the amount of light striking the light-sensitive sensor element does not exceed a predetermined value, whereby the absorption element is a reflective surface.